

YEARS OF EXCELLENCE TRANSFORMING BEYOND HORIZON

Corporate Profile



Carve your name on hearts not tombstones, A legacy is etched into minds of others and the stories they share about you.

Shannon L. Alder

Vision Messag	ges oup (At a glance)	01 02 05		
Company Basics Group Timeline Group Hierarchy Principal Worldwide Locations Financial Growth & Expansion Engineering Certification DAS Certification Global Principal Brand Dakin (At a Glance)				
Produc	t Range			
	ercial Product Lineup			
1.	Variable Refrigerant Volume (VRV)	18		
_	a. ITM Central Controller	36		
2.	Roof Type Package Air Conditioner	20		
Applied	l Product Lineup			
	Fan Coil Unit	22		
2.	Air Handling Unit	23		
3.	Chiller	25		
4.	Cooling Tower	30		
5.	Precision Type Air-Conditioning.	33		
Filtratio	on	34		
Humidi	fication	35		
Domes	tic Product Lineup			
1.	Principal Brands	38		
2.	Inverter Technology	40		
3.	Split/Multi split	42		
a.	Sky Air Series	43		
4.	Turnkey Project Service	47		
Enerav	Solutions			
1.	Generators	46		
	ale Services	/7		
1.	CSR/0&M Facility	47		
Group Project Gallery				
Group (Certifications	64		
o. oup	· · · · · · · · · · · · · · · · · ·	0 -		



Our Group strives to be the premier HVAC & MEP service provider, setting higher unmatched standards by providing exceptional quality, unique value and customer satisfaction which results the optimum levels of honor and dignity from our community and a rewarding environment for our employees to succeed. The group has a distinctive vision to further expand its scope of business and we look forward to be the first choice of our customers to make a prominent mark in industry and contributing our part in development of Naya Pakistan.

We at MIA, aim to do is to start with the needs of customers and transform ourselves to be a luxury and leading service provider. In near future, we hope to see MIA Group as a top leading HVAC group of Pakistan. Our purpose is to bring more innovative, productive and exceptional service to the masses of our country.

We want to earn lifetime loyalty of our customers by consistently delivering frequent, high performing air & energy solutions to improve their life standards. we always improved past performance to achieve new levels of excellence by delivering superior service.



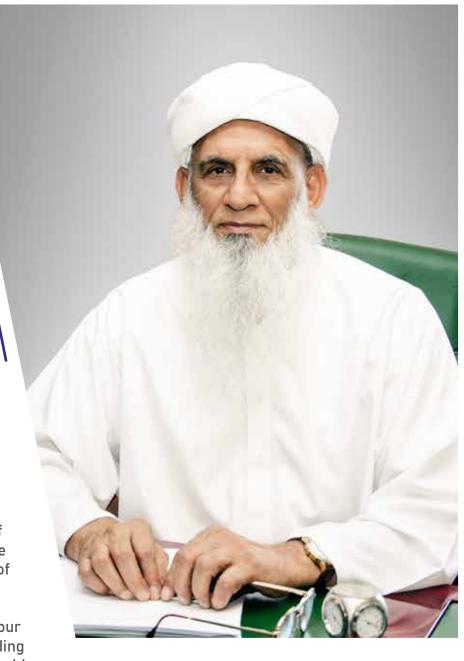


I am thankful to Allah Subhan-o-Tallah that to this very day, thirty years of our existence as a leading HVAC group have been completed. This would not be possible without prayers of my family and my dedicated staff. I also would like to show gratitude to all the supporting members and friends. As a group, our driving goal is to grow, succeed and become a leader in HVAC business and MEP solutions that we engage in, whilst adhering to our values of integrity, respect and commitment to excellence. We bring our traditional family values of fairness, honesty and trust to bear on modern and innovative ways of working and developing our business.

We all face challenges in rapidly growing business world. We want a team that may able to leave a legacy. At MIA Group, I feel proud to be part of an excellent team that is continuously striving for betterment of human life, we are creating new and progressive approach to our operations and after sale services. We pursue highest qualities to attain highest level of customer satisfaction. We keep abreast of emerging cutting edge technologies by contributing to the welfare of our community.

We will continue to build relationships with our customers through knowledge, ingenuity and commitment of our people as well as through our products and unmatched services. We have always adopted the best management practices and acquired latest technologies to improve our business efficiencies and achieved economies of scale. As a successful entrepreneur and responsible corporate citizen, I will continue playing my role in the economic development of Pakistan.

As a Group, we care about the environment, communities and our business associates. We nurture the careers of employees by depending on their professional skills. Our goal is to ensure that employees should get every opportunity to excel in their professional careers. Our Success would not be possible without the contribution of our dedicated employees and positive feedback from our customers. We look forward to serve and support all the customers to meet their expectations.



MUHAMMAD ASHRAF ARAIN CHAIRMAN

I am very thankful to ALLAH Almighty that our eyes have witnessed this glorious day when our company has survived through unprecedented times during conditions of COVID-19. This is truly a great generosity of ALLAH Almighty upon MIA Group. At Present, we are still in war with COVID-19. The world health organization has declared this outbreak a pandemic. I earnestly and humbly request all of you to contribute to this hour. This is the moment for extra effort, for going towards extra mile. I would like to remind you of the special responsibility that a company like ours has at this time, with COVID-19, there is growing awareness about the importance of ventilation and air purification around the world. We will be the first to respond to these growing needs using solutions that fully harness our technologies, products and services. I am proud to say that MIA Group has an exceptional ability to stand up in the face of crises. This is the time that we exhibit this strength, as we move toward greater growth with an eye on the post COVID-19 world, as a "company that provides solutions with air."

MIA Group's historical and future success is grounded in our collective commitment to our core values i.e. efficiency, respect, customer satisfaction, accountability, innovation and integrity. We take pride in being one of the pioneer company dealing with HVAC and MEP Solutions. We achieved remarkable growth in last decade for the development of our societies and our motherland. The Group attained prominence as a leader in HVAC industry through competence with higher quality standards. We have a long tradition of serving our valued clients by providing best services with untiring and exceptional efforts.

The Group is a preferred choice of many clients based on its reliability and commitment to quality and safety. As we look ahead, we renew our pledge to remain committed to excellence, keep abreast of changes and innovations to overcome all challenges.

We stand committed to helping achieve the Sustainable Development Goals (SDGs) through our business for the benefit of our community and country. Toward this end, we will continue to fulfill the expectations of our various business associates including customers, investors, suppliers and local communities.



MUHAMMAD OSMAN ASHRAF GROUP CEO

MIA GROUP OF COMPANIES AT A GLANCE

MIA Group of Companies is one of the largest HVAC solutions providing company in Pakistan; with over three decades of experience in providing customized solutions to a large number of corporate and commercial customers.



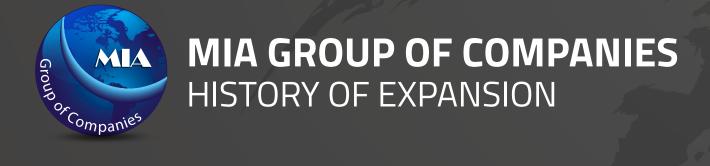
MIA Group of Companies

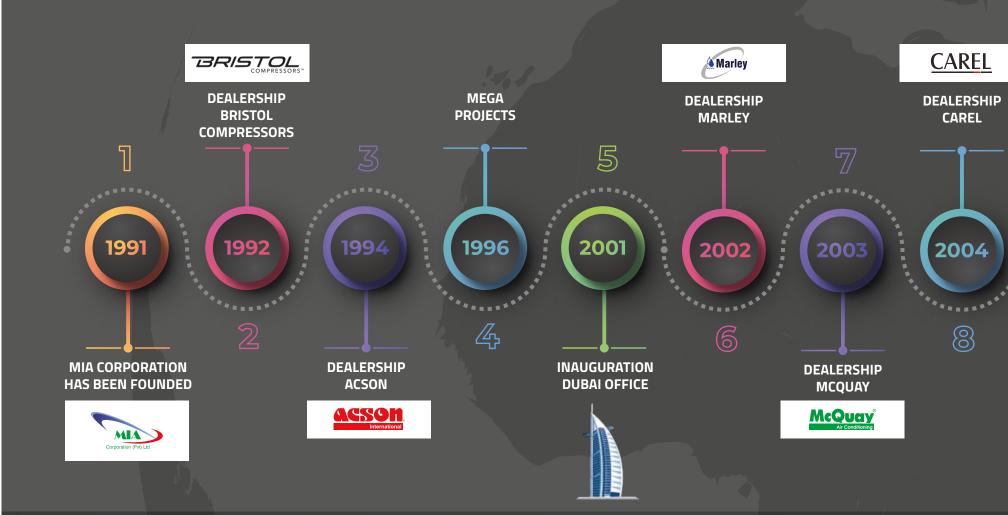


The Corporate Office of MIA Group of Companies is located in Islamabad having its branches throughout Pakistan with international presence in Dubai.



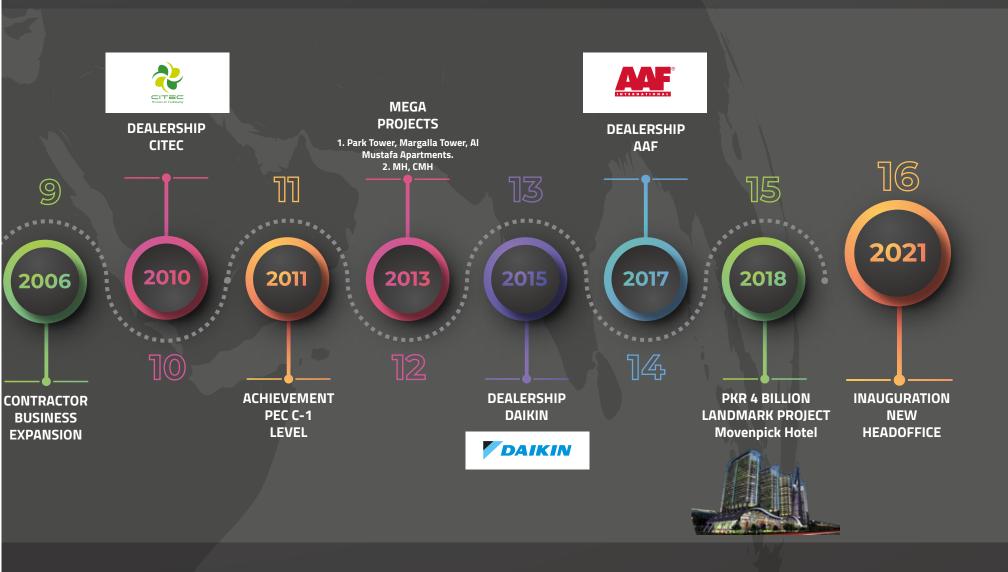


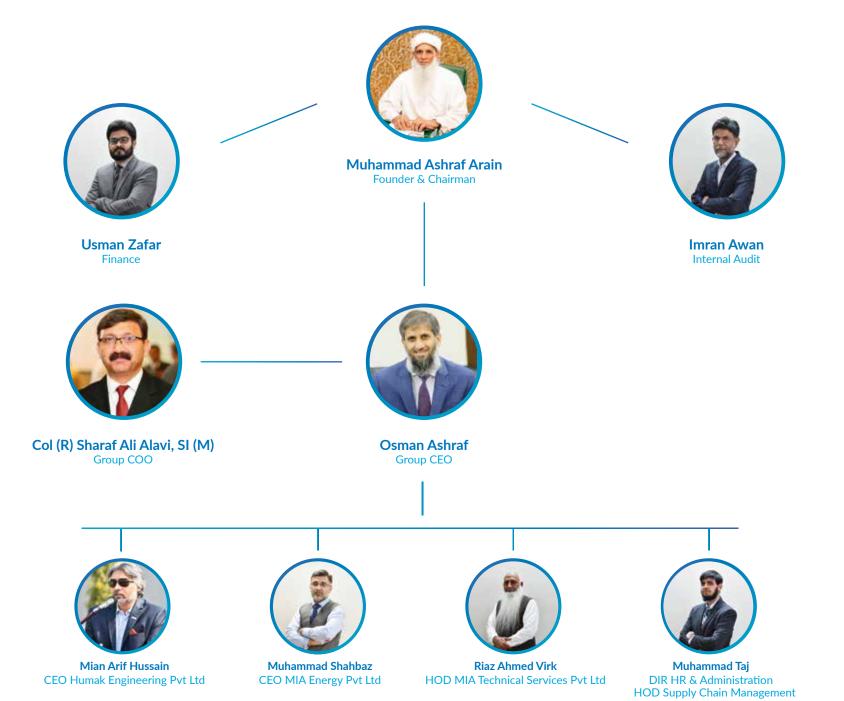




We are all faced with a series of GREAT OPPORTUNITIES brilliantly disguised as "IMPOSSIBLE SITUATIONS"

Charles R. Swindore





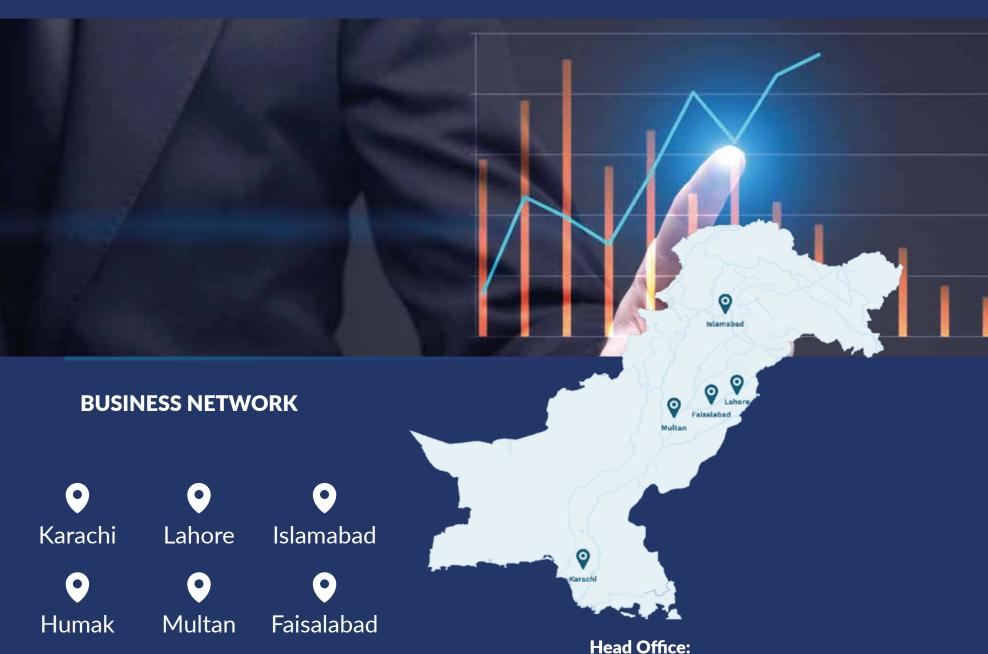


We Believe in Growth

The increase in our sales over the year speaks the magic about our soaring growth.

If the dedication and extra effort of our sale staff to generate unmatched volume of sales in the given time is not less than a feet, then reliable prompt and precise MIA after sale support to the World renowned products of Daikin, McQuay & Acson has displayed another foot of strengthening our customer confidence in our products.

We believe in delivering more than our customer demand.



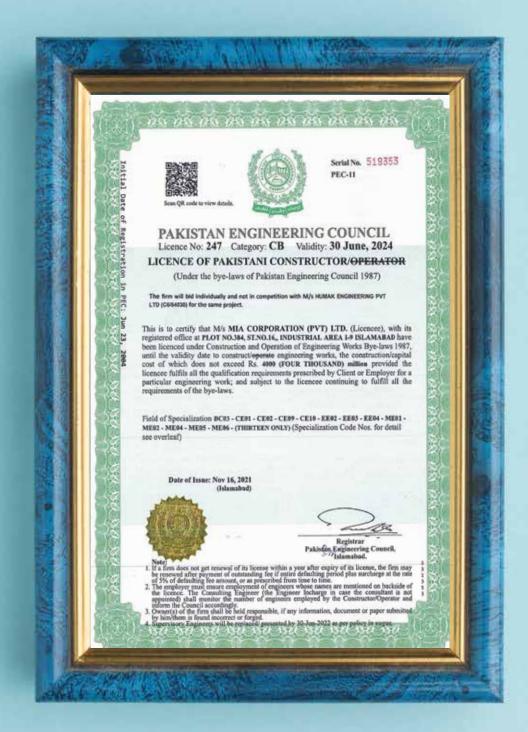
Head Office: MIA Group of Companies, Islamabad. Pakistan.



Pakistan Engineering Council

PEC has certified our company in **CB** Category which is the 2nd highest category offered by the regulatory body.





Quality Management System

UKICM

Registration No: 2100837







BRANDS WE DEAL IN

We sell the best & service the rest.























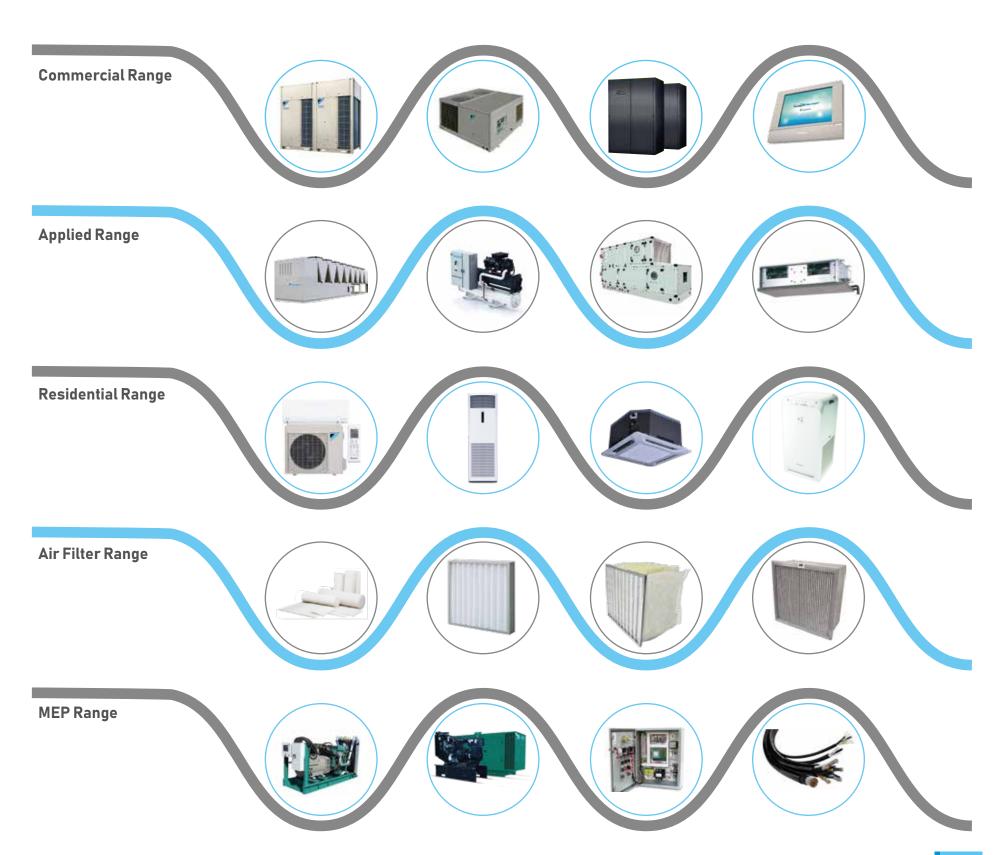








PRODUCT RANGE

























Daikin Industries, Ltd. is a Japanese multinational air conditioner manufacturing company headquartered in Osaka. It has operations in Japan, China, Australia, India, Southeast Asia, Europe, North America, and South America.

Daikin is the inventor of VRV air conditioning systems (These systems are called Variable Refrigerant Volume or VRV by Daikin) and an innovator in the Split System Air Conditioning Market. Daikin co-developed a R-410A refrigerant with Carrier.

In November 2006 Daikin purchased OYL Industries. This made Daikin the second largest HVAC manufacturer in the world. Currently the air conditioning giant hold an astounding 35% of world over HVAC sales alone. The company was introduced in Pakistan in 1988 but for some un-favorable situation it cut off supply of equipment for Pakistan.

However after relentless efforts made by MIA the company showed its willingness to start its operations in Pakistani market again with following product line up.

The product lineup is categorized in Commercial & Applied Sections.

VARIABLE REFRIGERANT VOLUME A/X/H

Daikin launched VRV air conditioning system in 1982. The name VRV derived from a technology called "Variable Refrigerant Volume." It is the world's first use of variable refrigerant flow control. This technology circulates only the minimum amount of refrigerant needed at any point of time and enables individual climate control. The Daikin VRV system is a multi-split type air conditioner for commercial buildings to provide customers with the ability to maintain individual zone control in each room and floor of a building.



SALIENT FEATURES:

K-Type unique neodymium magnetic compressor

Higher efficiency at part load with VRT smart i.e., provision of comfortable indoor environment

Automatic Refrigerant Charge function provides higher installation quality

Refrigerant Cooled PCB provides highest reliability with double backup operation

 $Efficient\ utilization\ of\ space\ is\ offered\ through\ space\ reduction\ even\ with\ a\ 20-sto-rey\ building$

Precise Individual Control with Inverter Technology

Longest piping offers more flexible design

ITM-Central controller offers extensive features

APPLICATIONS: NOTE:

Large Size Buildings VRV A/X-Cool Only

High Rise Building (Apartments) VRV H- Heat Pump

Shopping Malls

Educational Institutes

Hospitals

Hotels



Outdoor Unit Lineup

HP 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60

High-COP Type

Indoor Unit Lineup

			20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
Туре	Model Name	Capacity Range Capacity Index	0.8 HP 20	1 HP 25	1.25 HP 31.25	1.6 HP 40	2 HP 50	2.5 HP 62.5	3 HP 71	3.2 HP 80	4 HP 100	5 HP 125	6 HP 140	8 HP 200	10 HP 250	16 HP 400	20 HP 500
Ceiling Mounted Cassette (Round Flow with Sensing)	New FXFSQ-AVM	Capacity index	20		31.23	40	0	02.3	71	00	100		New capacity	200	230	400	300
Ceiling Mounted Cassette (Round Flow)	New FXFQ-AVM								1 1 1 1 1 1 1			•	New capacity	 	 		
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE	=	•	•		•	•		 		 	 	1	 	 	1 1 1 1 1 1	1 1 1 1 1 1
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE								 				1		1 1 1 1 1 1		
Ceiling Mounted Cassette Corner	FXKQ-MAVE			•					 			 			1		
	New FXDQ-PDVE (with drain pump) FXDQ-PDVET	(700mm width type)	•	•	•				1 1 1 1 1 1 1	1	 			 	 	 	1
Slim Ceiling Mounted Duct	(without drain pump) FXDQ-NDVE	(700mm wiath type)							1	1			1		 	 	
(Standard Series)	(with drain pump) FXDQ-NDVET	(900 / 1,100mm width type)													1		
Slim Ceiling Mounted Duct	(without drain pump) FXDQ-SPV1			•					1		1	1		 	 	 	
(Compact Series) Middle Static Pressure Ceiling Mounted Duct	New FXSQ-PAVE								1 1 1 1 1 1 1 1 1 1					1 1 1 1 1 1 1 1			
Celling Mounted	New FXMQ-PAVE								1						1	1	
Duct	FXMQ-MVE9			 	1				1		1					1	1
Outdoor-Air Processing Unit	FXMQ-MFV1				 				 	1	 	•	1				
4-Way Flow Ceiling Suspended	FXUQ-AVEB			 	 	 				 	•	 		 	 	1 1 1 1 1 1 1	1
Ceiling Suspended	FXHQ-MAVE				•				1 1 1 1 1 1 1		•			1			
Wall Mounted	FXAQ-PVE			•		•	•		1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1
Floor Standing	FXLQ-MAVE			•		•	•		1 1 1 1 1 1 1		 			1 1 1 1 1 1	 	 	
Concealed Floor Standing	FXNQ-MAVE		•	•		•	•	•	1 1 1 1 1 1 1 1 1								
Floor Standing	FXVQ-NY1			 					1								
Duct	FXVQ-NY16 (high static pressure type)			1 1 1 1	 				1 1 1 1 1	 		1	1	 	1 1 1 1 1	 	
Heat Reclaim Ventilator with DX-Coil and Humidifier	VKM-GA(M)V1		Airflow rate 500-1000 m³/h														
Heat Reclaim Ventilator	VAM-GJVE	00	Air	flow	rate	150-2	2000	m³/h	1								

PACKAGED AIR CONDITIONER

Daikin's range of Rooftop Packaged Units has been developed specifically to suit commercial applications and are designed for flexible and easy installation. Moreover, with decent color, the flat top and compact design gives an aesthetic and neat appearance when installed in the line of sight. The durable powder coated sheet metal and corrosion resistant fixings make this unit ideal for the harsh climate. A wide selection of rooftop models provide affordable air, comfort and optimum HVAC solution to any building type including homes, apartment complexes, large commercial buildings, schools and hospitals.



SALIENT FEATURES:

BASE BEAM

Fixed base beams provide a rigid foundation for the entire rooftop packaged unit. Designed for easy installation as well as exceptional performance, the base beam has integrated forklift slots and pre-drilled rigging holes. It is also designed to allow mounting on a roof curb, with detailed guidelines for dimension of the roof curb requirements provided in the installation manual.

FLEXIBLE AIR SUPPLY

All Daikin Rooftop Package Units feature a belt driven supply air fan, with a variable pitch pulley to deliver a wide range of supply air volumes and external static pressures. Servicing of supply air fan motors, pulleys and belts can be be carried out on site, minimizing downtime and simplifying routine and unplanned maintenance.

CONVERTIBLE RETURN AND SUPPLY AIR

Daikin Rooftop Package Units can be easily converted from horizontal to vertical (downward) supply and return air duct configuration by relocating the panels and supply air fan mounting.

POWDER COATED CONDENSATE DRAIN PAN

The sheet metal condensate drain pain is powder coated for corrosion resistance.

RETURN AIR FILTERS

A 50mm filter slot is provided as standard in scenarios, where a field supplied filter is required.

ENERGY EFFICIENCY

Daikin's Rooftop Packaged Units have been developed to provide air conditioning solutions that are energy efficient, simple to use and reliable, ensuring full compliance with MEPS requirements.



PACKAGED AIR CONDITIONER

Types

UATYQ-MCY1 (Heat pump)
UATQ-CGXY1 (Cool Only)



SALIENT FEATURES:

EXTENSIVE CONTROLS CAPABILITY

Daikin Rooftop Packaged Units offer more than 27 functional and control capabilities, including:

Variable head pressure control for low ambient cooling

Electronic expansion valves for precise refrigerant control

Self diagnostic and error warning codes

Standard seven days programmable timer and LCD thermostat

Sequential compressor and load balancing operation

Simple BMS and third-party interface

Ability to connect remote sensor with 25m cable

Simple auxiliary booster with 3 adjustable differential settings

Auto-changeover (heat/cool) functionality can be configured on the controller



APPLICATIONS:

NOTE:

Buildings

Package Air Conditioner- Heat & Cool

Educational Institutes

Hospitals

Hotels

CAPACITIES:

17.86kW, 26.5kW, 34.4kW,

42.8kW, 53.1kW, 63.7kW,

68.4kW, 84.2kW, 89.19kw

FAN COIL UNIT

Fan coils are distributed heating and cooling equipment designed to locally condition the air for the space they serve. A fan coil unit can either be exposed with a painted metal cabinet occupying the conditioned space or recessed with a wall plate or ductwork connecting it to the conditioned space. Our fan coil units come in three basic configurations, horizontal in or along the ceiling, vertical running along the height of the wall and unit heaters low along the wall.



SALIENT FEATURES:

Ideal blend of style and functionality

Comfortable air flow and lower sound level

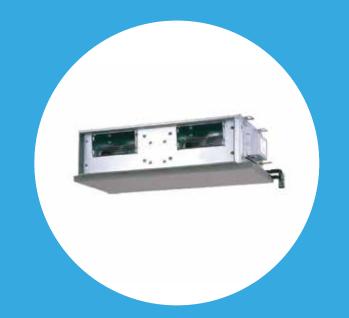
Quiet room environment with Indoor Quiet mode

Different modes i.e. turbo/sleep

Auto restart with last state memory

Uniform air distribution

Fan coil units integrate advanced HVAC technologies including lowest published sound data, ECM motor selections and high-static MERV filters



APPLICATIONS: CAPACITIES:

Shopping Malls	Wall Mounted	8300~18000 Btu/hr
Hospitals	Ceiling Cassette	8500~43000 Btu/hr
Hotels	Ceiling Convertible	15500~47000 Btu/hr
Educational Institutes	Ceiling Concealed	6600~51800 Btu/hr
	Ducted Blower	7500~150000 Btu/hr

AIR HANDLING UNIT

The Double Skin Modular Air Handling Unit design based on modular paneling concept to fulfill the indoor air quality requirement. The air flow of DM AHU is within range of 195 to 25,000 lps (700 to 90000 CMH) and up to total static pressure of 2000 pa (8" W.G) for DM1, DM2, DM2TB, and 2500 pa (10" W.G.) for DMA6. AHU model ranges from 0204 to 2539, daikin produces high quality, flexible air handling unit, which can provide excellent thermal efficiency. Besides, air handling unit provide flexibility features to meet the indoor air quality, operating efficiency, sound level and installation requirement for today's extensive, commercial and customize markets. A comfortable environment can enhance human's life quality.



SALIENT FEATURES:

Daikin double skin modular AHU is globally acclaimed product with **EUROVENT & AHRI** certifications.

Casing/Cabinet Construction

Daikin Double Skin Polyurethane Foam

AHU sheet thickness is based on GI, SS and aluminum Inner/Outer skin has range of 0.5/0.8 /1.0/1.2 /1.5mm. PU foam insulation thickness can be 25/50/60 mm with density 40 kg/m3

The thermal break profile is available for cabinet with thickness options of 50mm & 60mm

Access door or service panel can be supplied with a swing type or removable panel type. Gasket around the full Perimeter of the access doors frame shall be used to prevent air leakage



Daikin DM Air Handling Unit is designed in accordance BS EN 1886, certification with EUROVENT (Only for Model DM1, DM2, DM2TB) and AHRI 1350. It is constructed of high strength extruded round edge aluminum Penta post and flat surface internal intermediate post with double modular skin insulation material. The frame channel design allows three identical pieces to be bolted together to form a composite corner piece, both of these features form the rigid frame of the AHU. The unit wall is made up by Double Skin Polyurethane foam (PUR) insulation panel with 0.5 mm high strength pre-painted steel as external skin and 0.5 mm galvanized steel (GI) as internal skin. Besides, there are optional thicknesses: 0.8 / 1.0 / 1.2 / 1.5 mm of skin material. The PU foam insulation thickness can be 25/50/60 mm with density 40 kg/m3.

APPLICATIONS:	CAPACITIES:	PARTS:			
Shopping Malls	Air flow of DM AHU ranges from 412 to 53001 CFM	Mixing Box	Humidifier		
Hospitals		Filter	Electric Heater		
Hotels	Total static pressure ranges up to 2000 pa (10 inch Water Gauge)	Heat Recovery Wheel	Ultraviolet Light		
Educational Institutes		Coil	Fan		
Industry		Heat Pipe	Sound Attenuator		

AIR HANDLING UNIT

Types

Forward Curved Backward curved Airfoil AC/EC plug fan



MOTOR:

Motor efficiency is from different classes i.e. IE1, IE2, IE3

Motor Brands:-

TECO

ALLIANCE/TEMA

ELECKTRIM

ABB



FILTERS:

It has different grade filters.

Types

G-2/3/4

F-7/8/9

Hepa/Ulpa/H13/H14 etc.

CONFIGURATIONS:

It offers energy recovery section i.e. heat recovery wheel / heat pipe /plated heat exchanger

It offers electric heater

It offers ultra violet germicidal irradiation (UVGI)

SUPPLY/RETURN AIR FANS:

Variable fan selection includes forward-curved, backward curved and airfoil, AC/EC plug fan

Fan performance is tested and measured in accordance to AMCA Standard 210

It has built-in variable frequency drive.

CHILLERS

AIR COOLED SCROLL CHILLER

Chillers make cold water or water/glycol fluid mixture in order to cool buildings or processes. Often used in conjunction with coils in air handlers, chillers receive warm fluid from the air handler coil or process load, lower the temperature of the fluid, then a pump returns the fluid to the air handler coil or process. An air cooled scroll chiller rejects the heat absorbed from the building or process directly to the outdoor air using refrigerant to air coils and fans that blow outdoor air directly over those coils.



SALIENT FEATURES:

World's 1st Air Cooled chiller with R-32 refrigerant and scroll compressor technology. Apart from these, we also offer chillers with R-410A refrigerant in order to meet GWP demands of environment.

Reliable and efficient scroll compressors with high EER values up to 3.3 Stainless steel BPHE provides better efficiency and reliability for evaporator.

The microchannel technology condenser option maximizes the heat exchange ensuring the highest performance with minimum surface for the exchanger and a reduced quantity of refrigerant. We also offer the Cu/Al condenser.

1~16 sets of modules with different capacity can be combined at will to satisfy the load selection requirements of various applications offered.

AIR COOLED SCROLL CHILLERS



APPLICATIONS:

Comfort Air-Conditioning

Engineering & Small to Medium Industrial Applications

Commercial & Institutional

CAPACITIES:

Non-Inverter Cool Only Range: 19 - 300 TR

Non-Inverter Heat Pump Range: 19 - 300 TR

Inverter Cool Only Range: 19 - 300 TR

Inverter Heat Pump Range: 19 - 300 TR



AIR COOLED SCREW CHILLER

Forged under harsh conditions around the world, Daikin air cooled chillers provide high quality operation efficiency and energy savings. Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems. Daikin products offer industry leading results in quality, performance and sustainability. As the designer and manufacturer of large air-cooled chillers, Daikin is committed to modern innovations by leading the development of the air-cooled chiller technology.



SALIENT FEATURES:

The single screw compressor is equipped with only five moving components: a screw, two gate rotors and two loading slide valves. The gate rotor is accessible through a removing cover plate, making an easy maintenance.

Chillers has combined latest distinct VVR (variable volume ratio) Technology to offer premium efficiency. This helps chillers make a great difference on part load efficiency as most of operating time chillers run at part load in real conditions.

Stainless steel BPHE and DX Shell & Tube heat exchangers being offered from multiple origins provide better efficiency and reliability for evaporator.

The Microchannel technology option maximizes the heat exchange ensuring the highest performance with the minimum surface for the exchanger and a reduced quantity of refrigerant. We also offer the Cu/Al condenser.

AIR COOLED SCREW CHILLERS



Low vibrations, thanks to single screw compressor with fewer moving parts and rotor load balance. With a standard spring shock absorber, noise and vibrations are lowered further.

APPLICATIONS:

Comfort Air-Conditioning

Engineering & Medium to Large Industrial Applications

Commercial & Institutional

CAPACITIES:

Non-Inverter Cool Only Range: 47 - 611 TR

Non-Inverter Heat Pump Range: 47 – 451TR

Inverter Cool Only Range: 48 - 559 TR

Inverter Heat Pump Range: 71 – 465 TR

WATER COOLED SCREW CHILLERS

Daikin high efficiency water-cooled chillers feature outstanding economical operation that lowers electricity consumption even at large facilities, where large amount of energy is consumed. Factories utilize Daikin water cooled chillers in a variety of ways including process cooling, where harsh demands are placed for all types of temperature conditions, precision control, and stability. High performance, large water-cooled chillers deliver unmatched reliability and stability to district cooling systems of large building complexes and distinct areas. Daikin water-cooled chillers offer rapid payback, within one (process cooling) to three (comfort cooling) years of installation. In the long term, the compact chillers' reliability and outstanding energy efficiencies mean ownership costs are low.

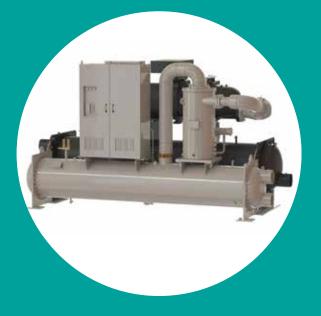


SALIENT FEATURES:

Daikin adopt single screw compressor unique design, which has one main screw meshing with twin star rotors to produce volumetric compression cycle. Since main rotor is well balanced in both radial and axial directions, the compressor bearing has extremely high reliability and its design lifespan can be as long as 100,000 hours. Chillers has combined latest distinct VVR (variable volume ratio) technology to offer premium efficiency. This help chillers make a great difference on part load efficiency as most of operating time, chillers run at part load in real conditions. Flooded, falling film or BPHE evaporator, depending on design, is proven to be efficient and reliable.

The water-cooled chiller utilizes Microtech digital control electronics to prophetic manage unit operation and provide control of chilled /condensing water and cooling tower pumps.

WATER COOLED SCREW CHILLER



Lubrication oil is supplied to compressor and rotating surfaces by a separate oil separator, externally mounted vertically on the chiller or internally being integrated into the condenser (depending on the specific model).

Oil separator provides sufficient oil supplying to compressor and excellent oil extraction from system at all loads. Oil recovery system makes sure oil remained in the evaporator go back to compressor.

R-134A, R-1234ze & R-513A refrigerants are available with zero ozone depletion potential and extremely low global warming potential

Compact footprint through stacked heat exchanger lay-out

APPLICATIONS:

Comfort Air-Conditioning

Engineering & Medium to Large Industrial Applications

Commercial & Institutional

CAPACITIES:

Non-Inverter Range: 25 – 518 TR

Inverter Range: 38 – 590 TR



WATER COOLED NON-MAGNETIC CENTRIFUGAL CHILLER

Centrifugal chillers are a significant investment in a building system. There is a dire need of a chiller that offers flexible design and a return on that investment throughout its life cycle. Whether the customer's requirements are air conditioning, district energy plants or process cooling, new construction or renovation, Daikin centrifugal chillers are the right choice with real benefits for any bottom line. Daikin centrifugal chillers are engineered with cutting edge technology to provide energy efficient processes and comfortable cooling and heating that customer can be sure of. Daikin offers a wide range of centrifugal vessel and component combinations to provide the right solution for a specific application.



NON-MAGNETIC CENTRIFUGAL CHILLER

SALIENT FEATURES:

Daikin centrifugal chillers have been designed with reliable and sustainable gear driveline system. The precision-engineered gear driven design allows for lighter components, less vibration and giving ability to select gear ratios that will provide the optimum impeller speed for your application. Daikin gear drive compressor has a series of top speed ratios that allow selection for the maximum efficiency impeller from full load to part load range.

Daikin centrifugal chiller is equipped with a high-precision throttling device, which can be adjusted by electronic expansion valve or electronic pilot valve plus main valve in response to different application.

A separately driven electric oil pump assembly supplies lubrication at controlled temperature and pressure to all bearing surfaces and is the source of hydraulic pressure for the capacity control system.



Daikin centrifugal chiller can restart the chiller within 30 seconds from power failure to the comment that the compressor starts to run again. This feature will help the chiller quickly restore to its original operation condition, ensuring your facilities or service online as always.

Daikin is the expert when it comes to dual centrifugal compressor technology, successfully building dual compressor centrifugal chillers since 1971.

The Micro Tech Control system gives you the ultimate in chiller control. The control includes many energy-saving features to keep your chiller running efficiently.

APPLICATIONS:

CAPACITIES:

Comfort and Process Air-Conditioning

Inverter & Non-Inverter Range: 200-2700 TR

Engineering & Large Industrial Applications

Commercial & Institutional

MAGNETIC CENTRIFUGAL CHILLER

Daikin Water Cooled Magnetic Bearing Chillers' performance is optimized for every condition and at every hour of the day with advanced magnetic bearing compressor technology. Every day, around the world, offices, data centers, schools, colleges, hospitals and healthcare facilities are reaping the benefits of the proven Daikin magnetic bearing chiller. Building owners and property managers count on the reliability and performance that thousands have experienced. Also during the development process, Daikin focused on making the footprint of these chillers the smallest in the industry compared to other manufacturers within the same tonnage range. This makes them ideal for retrofits and sites where real estate is at a premium cost.



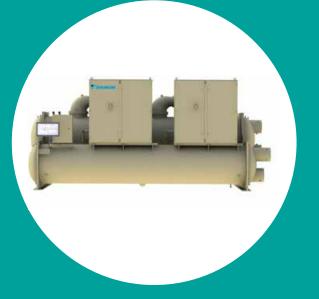
WATER COOLED MAGNETIC CENTRIFUGAL CHILLER

SALIENT FEATURES:

The frictionless magnetic bearing compressor is developed to improve performance, reliability and reduce service requirements. Oil-free technology affords customer increased power with decreased electrical requirements, offering 40% energy savings over fixed speed centrifugal chillers.

The chiller sound pressure level is as low as 77.5 dB(A), creating a quiet environment. No mechanical noise makes the chiller become the quietest chiller. Therefore, this quiet operation makes this ideal option for sound sensitive environments such as schools, concert halls and museums.

The compact size of the Magnetic chillers makes it ideal for retrofit and replacement installations. In addition, the space that would have been used for equipment can now be put to more productive use in the facility. Most models can easily fit through standard entryways without any disassembly. Even the most challenging access projects can be accommodated using our factory dis-assembly option.



Magnetic bearing technology avoids friction loss, oil contamination, additional oil management systems and increased equipment life. Thus, Magnetic bearing chiller is oil free system without any need for oil charge, oil replacement, oil filter replacement etc. The results are reduced operational costs and maintenance savings every year.

APPLICATIONS:

Comfort and Process Air-Conditioning
Engineering & Large Industrial Applications
Commercial & Institutional

CAPACITIES:

Inverter Range: 65 – 1600 TR

CROSS FLOW COOLING TOWERS

As global industries grow, their thermal cooling needs are growing with them. The widely varied climates and high-demand applications of these markets are not the place for old technology or inferior quality. The Marley Cross Flow cooling tower is designed specifically for expanding markets, and optimized for smaller tonnage applications. Leveraging decades of global cooling tower experience, the Marley Cross Flow cooling tower excels over comparators by offering the innovation, performance and durability.



SALIENT FEATURES:

The Marley offers the highest tonnage per cell and the highest ASHRAE 90.1 performance available – up to 2189 tons (9614 kW) as compared to other leading manufacturers.

Marley towers are the only package cooling towers tested per CTI ATC-128 test code by third-party CTI-licensed test agents and certified acoustical engineers. Cooling Tower sound levels are independently verified to meet published sound levels.

From blistering heat to icy cold and everything in between, the cooling tower is designed to meet the rigorous, changing, and varied climates of global markets, while providing simple maintenance.

New generation mechanical and solid-state vibration switches ensure smoother start up, safe operation and long service life.

CROSS FLOW COOLING TOWER



Thanks to Marley high-efficiency fill and fans, gravity-flow water distribution and active spray nozzles, and precision drive systems, the Marley cooling tower offers maximized cooling with minimized power consumption.

CERTIFICATIONS:

CTI

OSHA

FM

ASHRAE 90.1

Eurovent

CAPACITIES:

Flow Rate: 303 - 6567 gpm

Thermal Capacity: 101 – 2189 tons per cell



COUNTER FLOW COOLING TOWERS

For decades, Marley counterflow cooling towers have been a symbol of excellence for large industrial installations. The Marley Counter Flow Cooling Tower is a factory assembled tower, which makes it a definite go-to solution for light industry and HVAC. Counterflow towers have different footprints from crossflow towers and offer layout alternatives. Where space is limited or otherwise restricted, a counterflow tower may be a perfect fit. In addition to taking up less site space, counterflow towers may have a lower installed weight. Plus, piping costs can be reduced since a single inlet is usually standard.



SALIENT FEATURES:

Heavy-duty construction, high-performance design and our five-year mechanical warranty ensures consistent, CTI-certified fully rated cooling over a wide range of flow and temperature requirements

Induced draft counterflow design requires less plan area than crossflow towers for many HVAC and light industrial duties. And because the tower's size results in less steel used, its reduced weight requires less support structure.

SPX Cooling Technologies, Inc. has worked hard to address the maintenance difficulties long associated with counterflow towers. The Marley counterflow tower provides larger access doors, easily removable block fill and other features that simplify maintenance.

Induced draft counterflow equipment minimizes energy consumption by providing lower fan energy than centrifugal fan counterflow units.

The CTI-certified Marley MD comes standard with our low-sound fan, suitable for most noise-sensitive situations. Multiple fan and attenuation options are available to meet more stringent sound requirements.

We recognize how important sound control is and how difficult it is to measure cooling tower sound at various locations where background noise may interfere with testing. All published sound data for Marley MD cooling towers has been independently verified by a CTI-licensed test agency so you can trust that your cooling tower will meet sound levels as specified.

CERTIFICATIONS:

CTI

OSHA

FM

ASHRAE 90.1

Eurovent

COUNTER FLOW COOLING TOWERS



CAPACITIES:

Flow Rate: 267-2268 gpm

Thermal Capacity: 89-756 tons



EVAPORATIVE FLUID COOLERS

The Marley Fluid Coolers are the most efficient system on the market and your best choice for industrial and HVAC applications. By keeping the process fluid in a clean, closed loop, and combining the function of a cooling tower and heat exchanger into one system, they provide superior operational and maintenance benefits. Utilizing a combination of fill media and prime surface coil(s), the Fluid Cooler offers significantly improved performance over conventional closed-circuit coolers.



SALIENT FEATURES:

Upgrade any Marley Fluid Cooler model to the MH Element incorporating copper coils. The MH Element Fluid Cooler offers superior corrosion resistance, improved heat transfer, reduced operating weight and numerous other benefits.

Induced Hybrid design and high efficiency components deliver consistent, reliable cooling with low input power.

With higher capacity per footprint than conventional closed-circuit designs, the Fluid Cooler is a great fit for applications with space restrictions.

Heavy duty construction backed by our 5-year mechanical warranty helps keep your process running smoothly year after year.

Thermal capacities of standard models are independently certified by the Cooling Technology Institute for performance with water, ethylene glycol solutions and propylene glycol solutions.

Equipped with low-sound fans as standard, the Fluid Cooler is suitable for many sound-sensitive situations. Multiple fan and attenuation options are also available to meet more stringent sound requirements.

Models are available with an optional extended-surface coil for part-load dry operation in cold ambient conditions.

CERTIFICATIONS:

CTI

FM

Eurovent

CAPACITIES:

Thermal Capacity: 78-746 tons



EVAPORATIVE FLUID COOLERS



PRECISION TYPE AIR CONDITIONING

CITEC is committed to deliver innovative products and services that are revolutionizing advances the precision cooling needs. From design and manufacturing to product and after sales support services, they constantly build by proven innovation of precision, efficiency and creativity to deliver a full range of consultancy for customized business needs or an array of designs and models to a myriad of clienteles.



A precise air conditioning system provides data servers with the exact temperature to extend its life expectancy. Precision is key.

SALIENT FEATURES:

Citec products are engineered to achieve optimum reliability while our systems are designed to run seamlessly in a critical mission environment.

With a wide range of precision cooling systems to cater to every solution, our products are precise, efficient, durable, flexible and is equipped with Class A Certifications.

APPLICATIONS: SOLUTIONS:

Data Centres Room Cooling

Server Rooms Row Cooling

Hospitals Integrated DC Solution

Laboratories Supplementary products

Data Server Co-Locations



THE MOST ENERGY EFFICIENT FILTER

AAF, pioneer in clean air innovation for nearly 100 years has a motto "bringing clean air to life". AAF is the world's largest manufacturer of air filtration solutions. The Company operates production, warehousing and distribution facilities in twenty-two countries across four continents. AAF is supported in its international ventures through the resources of its parent company Daikin Industries, Ltd., based in Osaka, Japan, a diversified international manufacturing company and a global leader in air conditioning. With our combined resources and expertise, we will continue to lead global initiatives that increase productivity, improve processes and protect public health for the next 100 years.



Bringing clean air to life.™

With its global headquarters in Louisville, Kentucky, AAF is committed for the development and manufacturing of the highest quality air filters, filtration equipment and containment housings available today. AAF's scope of service is unlimited, their engineers and IAQ professionals offer consultation on every aspect on air filtration relating to any business as part of an extensive customer-oriented service program. Regardless of where AAF products are produced or purchased, customers can be assured that AAF manufactures world-class quality products.

APPLICATIONS:

Healthcare

Power Sector

Agriculture Sector/Refineries

Commercial Buildings

Data Centers

Firing Ranges

Microelectronics

Museums & Historic Storage

PROJECT RANGES:

Media pads/Rolls

Panel and pleated filter

Bag/Pocket filter

Compact filter

Hepa filter

Ulpa filter

Fan filter units

Hepa modules

Gas phase filter

Chemical medi



INDUSTRIAL, COMMERCIAL HUMIDIFIERS & OEM HVACR CONTROLS

The CAREL designs, manufactures and sells high tech components and solutions (hardware and software) on a global level for high energy efficiency in the control and regulation of air conditioning systems, equipment (HVAC) and refrigeration sectors.



Over the years, CAREL has designed systems and applications for vertical market niches with very specific needs requiring highly tailored solutions.





Information Technology Solutions

Keeping true the MIA core values-which emphasis being current with market/technology trends and based on the market research and feedback, MIA has established a department with main goal to handle promote control systems business. This will allow the enhance our established business base with customer experience and satisfaction.

We understand that every business is unique which is why we offer a variety of choices for our customers Other service and platforms offering include following

- Home/Building Management Solutions
- Power Management Solutions
- Data Center Solutions
- Security Solutions
- Software/Hardware Solutions



Daikin Exclusive Control Solutions:

Diakin product line e.g intelligent Touch Manager (iTM), intelligent Chiller Manager (iCM) etc we can implement simple and unlimited customization. This means that all of your building's critical systems can be integrated into this product allowing for visibility into problems that have gone unidentified. This rules-based software is equipped to produce analytics regarding VRV systems, RTU Systems, Chiller Plants, Boiler Plants, and Energy to help drive down costs and improve overall efficiency. In order to provide the most secure solution, we offer web hosting at the client's location or through a cloud. Many customers choose to implement the cloud version because it can provide added security and additional mobility. We also allow customers to choose whether they will deploy the platform themselves or choose the turnkey solution our professional service team provides.

Taking it forward with control portfolio to benefit our existing and prospective client base by providing them features like

- Optimized Electric Usage
- Reduction of their electrical costs Saving money
- Centralized monitoring and control of their infrastructure
- Better Visibility
- Advanced identification and rectification of errors / maintenance





Our Brands



Acson's split and multi-split type air conditioning systems offer superior performance, energy-efficiency, and comfort in stylish solutions conforming to all interior spaces and lifestyles.



DAIKIN is the true industry leader meeting a wide range of air-conditioning needs across the Globe. No matter what temperature, space, or climax Daikin more flexible is in responding to customer needs.



Proudly offering sustainable solution for energy & environment

Daikin's split and multi-split type air conditioning systems offer superior performance, energy-efficiency and comfort in stylish solutions conforming to all interior spaces and lifestyles. An extensive product lineup utilizes Daikin technology for lower costs and environmental impact. Daikin is a leading innovator and provider of advanced, high-quality air conditioning solutions for residential, commercial, and industrial applications.

Wide Product Range: A lineup that can meet all environments and applications is offered.

Energy Savings: Advanced inverter and heat pump technologies achieve greater efficiency and energy-savings at lower costs.

High Flexibility: Compact models offer high flexibility by utilizing limited space.

Trusted Support: Customer trust is gained with diagnostic equipment and reliable services.



Each indoor unit can be operated independently to deliver air comfort only to rooms where needed.



Advanced inverter and heat pump technologies achieve greater efficiency and energy-savings at lower costs.



Daikin compact split/multisplit air conditioners easily install to residences where space is limited.



A broad array of models allows the perfect match of style and performance to any interior space.



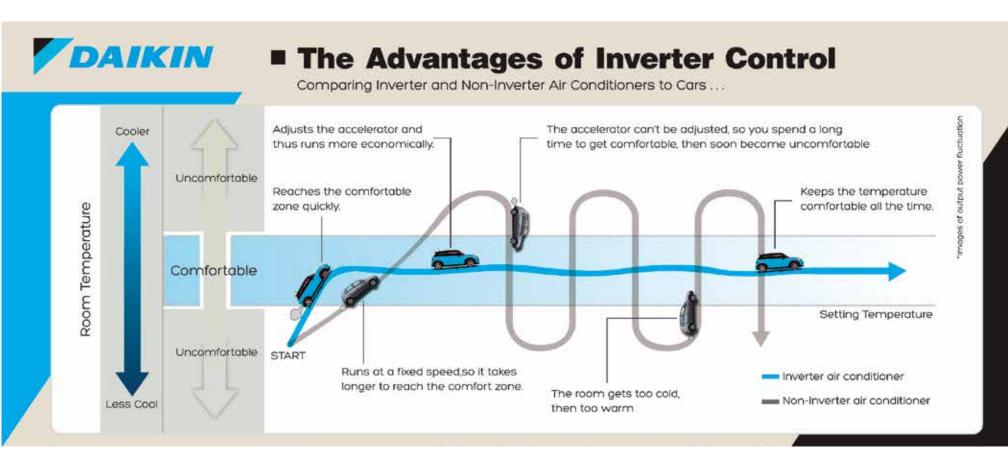




Inverter Technology

Air conditioner compressors are driven by motor, and motor rotation speed depends on power supply frequency. An inverter modulates power supply frequency to control motor rotation speed. Inverters stabilize temperature by adjusting compressor operation according to load to eliminate waste and save energy. Even adopting an inverter to the fan motors of the indoor and outdoor units provides more precise control and contributes to energy savings.





Split Type Air Conditioner DC Inverteer Power Control | Heat Pump [50/60 Hz]

Urusara 7 offer a unique, total comfort experience for any lifestyle. Powerful year-round cooling and dehumidification is just the beginning.



Inspired by Japanese "OGI"



Daikin Air Conditioner | Made in Japan

Split/Multi Split

Connects one indoor unit to an outdoor unit.

Installs simply and unobtrusively to buildings with no need for ductwork. Delivers a sophisticated air conditioning solution to single zone interior spaces at an affordable price.

Provides a simple solution for one-room additions.

Proudly offering sustainable solution for energy & environment

Humidifying / Dehumidifying

Daikin technology manages humidity at any temperature without need for a water tank in providing users with the best in convenience and air comfort. (Ururu Sarara)

Heat Pump Performance

Both extremely hot and cold regions use and depend on the efficiency of heat pump technology to achieve energy savings.

Quiet Operation

Low operation sound has been achieved for greater comfort and quiet environment.





Skyair Series

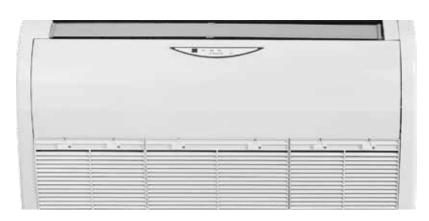




SkyAir Technology



- High Efficiency Compressor to Achieve a High COP
- Refrigerant Cooling
- High Efficiency by Micro Channel Heat Exchanger
- Fan









Generators

MIA Energy Pvt Ltd is a business unit working in the diversified portfolio of MIA Group of Companies. This company was established in 2013 for sale and supply of Diesel Generators ranging from 09 KVA to 3000 KVA. Being authorized distributors of Khonaysser Motors-Lebanon, Welland Power-UK, we offer DG sets having CUMMINS, PERKINS and VOLVO PENTA Engines Coupled with STAMFORD Alternators with DEEP SEA Control Modules. We also offer Switchgears, HT/LT Panels, Light Towers and Transformers. Company has the capacity to provide comprehensive power generation solution with highly reliable after sales spares and service support.







We Sell the Best and Service the Rest

MIA Technical Services (Pvt.) Ltd is a subsidiary of MIA Group of companies, taking care of after-sale service needs of our valuable clients for domestic, commercial and heavy industrial & customized air-conditioning systems. MIA Technical Services (Pvt.) Ltd undertakes installation, testing & commissioning of HVAC projects besides providing Operation & Maintenance Services throughout Pakistan.



- Factory Trained Engineers & Technicians
- Adequately equipped with latest labs & tools.
- Provide trouble shooting, testing & commissioning Services.
- Availability of Genuine spare parts.

HR Strength Nationwide

SBU	Permanent	Contractual
CSC	219	146
O&M	203	78
Total	422	224



Operations & Maintenance

DESIGN & SELECTION SERVICES

Our professional engineering staff works closely with architects, building managers, general contractors and building owners to evaluate their specific needs for each project. We then design the most economical and energy efficient system available, prepare and submit engineering documents, establish and maintain construction costs. We do provide a quality installation, testing & commissioning services.

From conceptual design to installation to start-up, maintenance & Operations, our O & M team delivers the kind of top quality performance you can expect from a full service HVAC Specialist.



MIA 0&M Engineering staff utilizes their experience and expertise to analyze the existing HVAC system, identify problems and provide effective solutions. Our staff also provides energy analysis and retrofits and work with building owners on indoor air quality to provide a healthy working environment.

After project completion, we provide a preventive maintenance & Operation program to meet your needs. Our preventive maintenance programs provide scheduled maintenance to protect your investment, help prevent costly breakdowns, extend the life of equipment and save energy costs.







We provide our customers with preferential service 24 hours a day, 365 days a year.

TURNKEY PROJECTS SERVICES

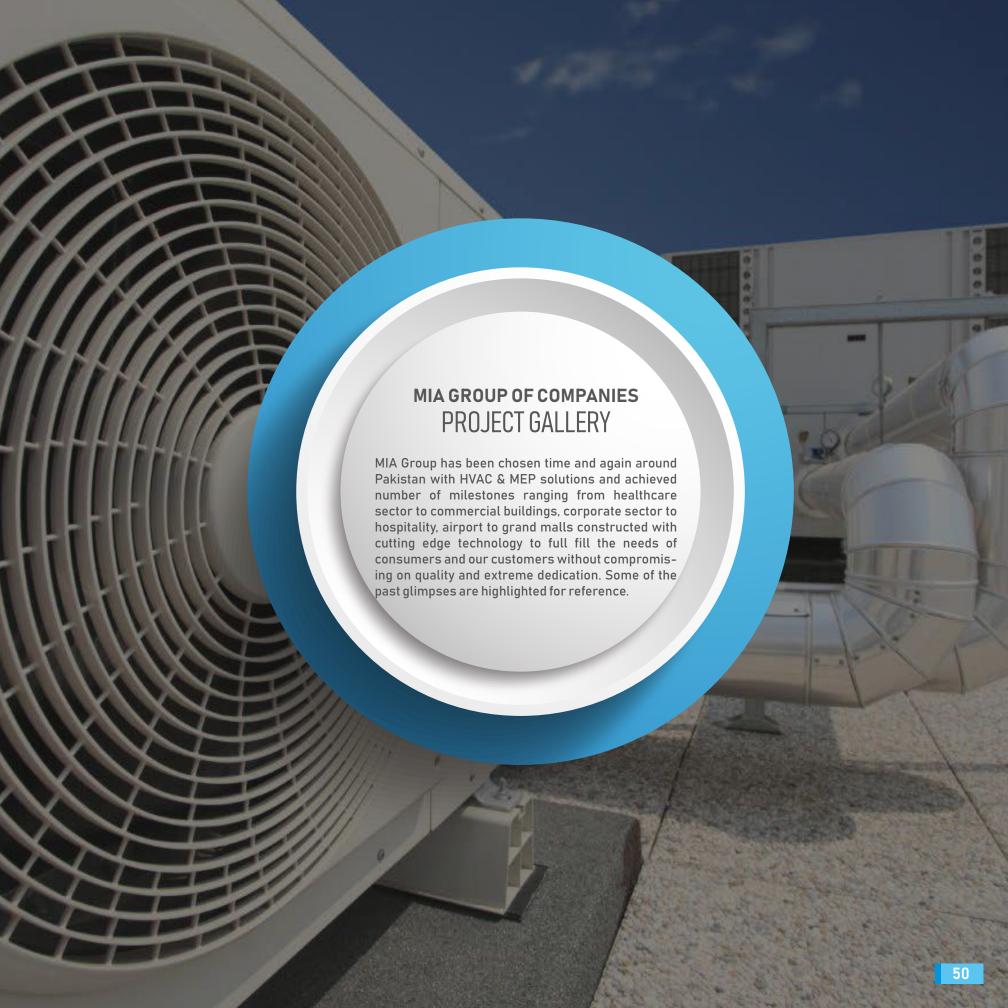
MIA is bunch of professional managers, supervisors and technicians, who are fully trained to complete your HVAC Projects, test & commission, operate and maintain it.

We have extended experience in completing sizable projects throughout Pakistan. Once you entrust your project to us, you can trust our technical know-how, abilities and professionalism.

One of our greatest assets is our ability of delivering Turnkey projects. This starts with negotiating a project from inception to allow a cost effective design that provides HVAC system solutions to control indoor air conditions in a unique typical outdoor environment. Inclusive is MIA's Full Service Warranty and Maintenance Program that takes care of the system throughout its life. This concept provides a single source of responsibility and has been successfully strengthening many long lasting relationships.

MIA is also a LEEDer (Leadership in Energy & Environmental Design) in the ever growing Green Building Market, provides world's top notch products and services that optimize, sustain and measure energy performance for existing and new buildings.

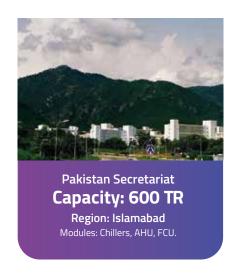
A full-time "parts coordinator" is engaged of your equipment (of all our brand) for timely supply keeping costly down-time to a minimum. We stock many of the much needed parts.

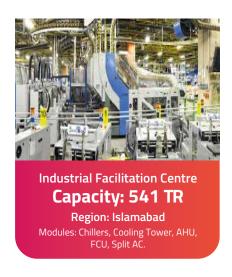


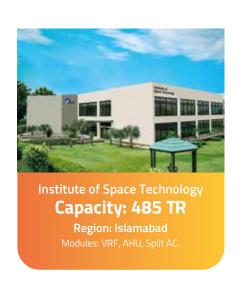
Government

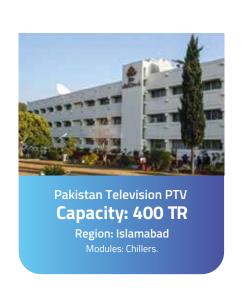


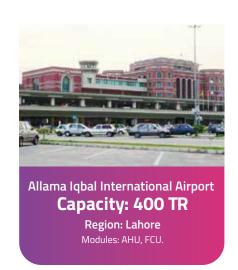


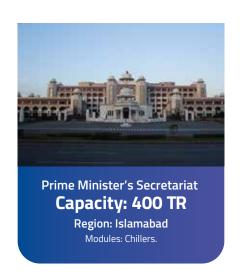








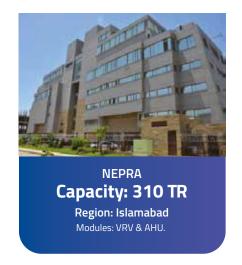


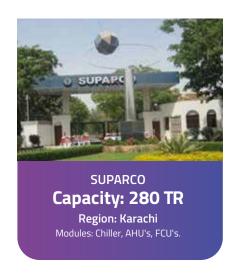




Government



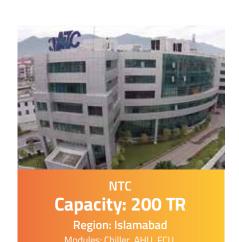




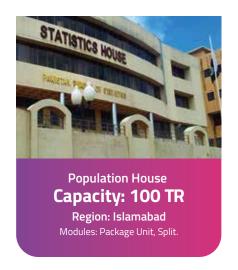


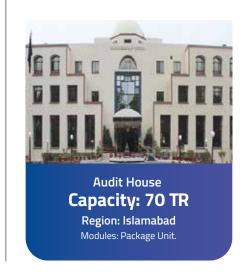
AJK Apartments Building Capacity: 204 TR

Region: Islamabad Modules: Split Units, Radiator & Boiler.





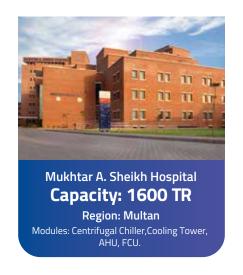


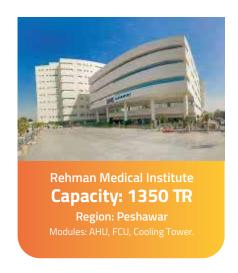


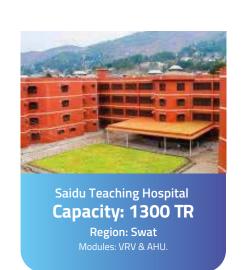
HEALTH CARE

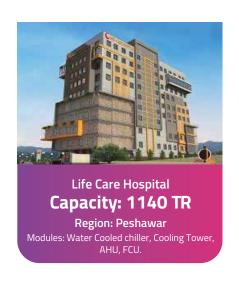






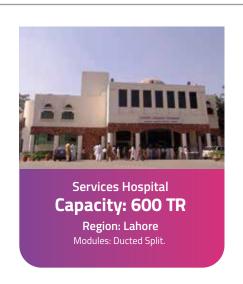




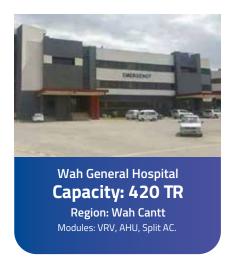








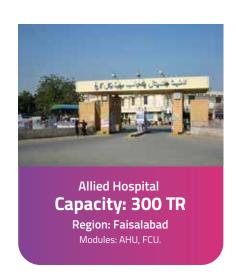
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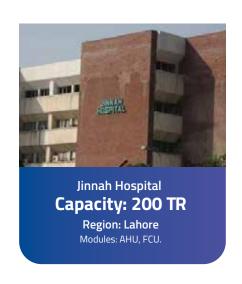


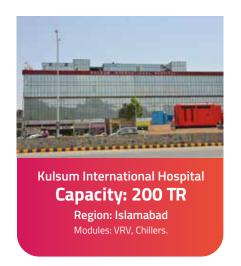


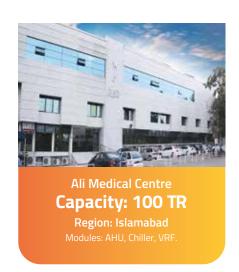


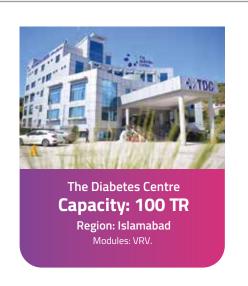










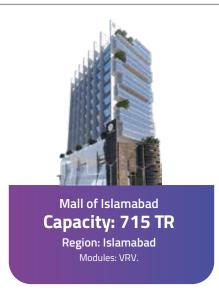


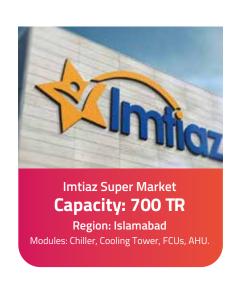
COMMERCIAL BUILDINGS/MALLS

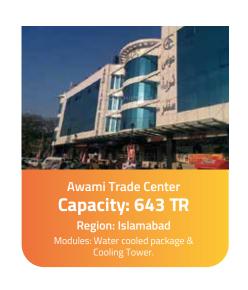












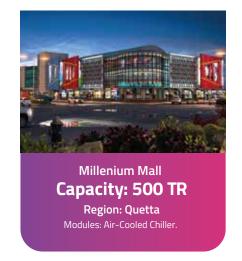






COMMERCIAL BUILDINGS/MALLS

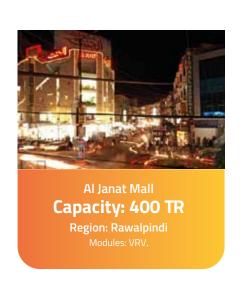




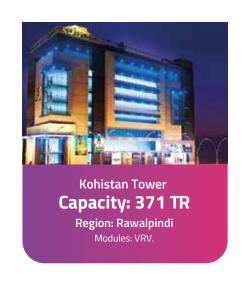














CORPORATE



Mobilink Capacity: 2500 TR

Region: ISB, KHI, LHR & FSD
Modules: Chillers, AHU, ECU, Split AC



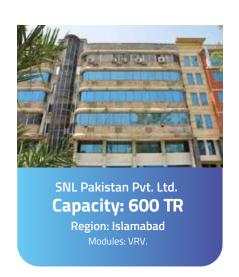


Pakistan Tobbacco Company Capacity: 1000 TR

Region: Jhelum, Akora Khattak Modules: Water Cooled Chiller, AHU, Cooling.









Central Power Purchasing Agency

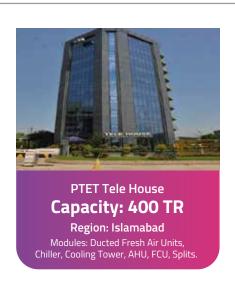
Capacity: 600 TR

Region: Islamabad Modules: VRV.

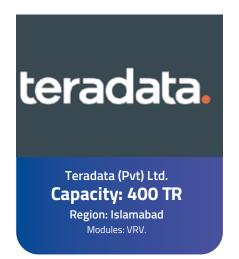


Telenor
Capacity: 600 TR

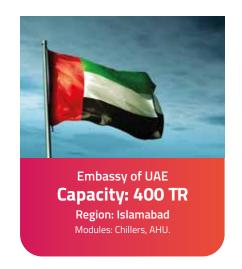
Region: Islamabad Modules: VRF, DX AHU.



CORPORATE





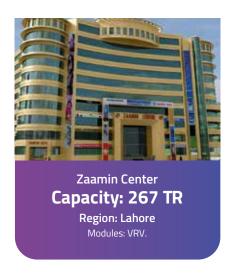




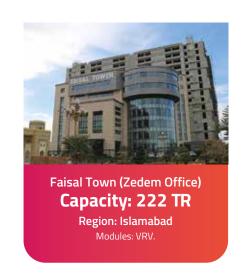




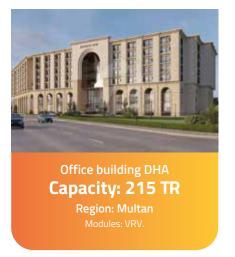
ZONG 4G Pakistan
Capacity: 300 TR
Region: Islamabad
Modules: VRF, Package Unit.

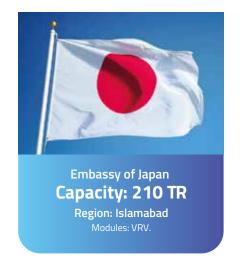






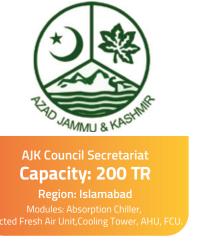
CORPORATE

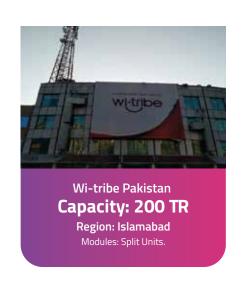


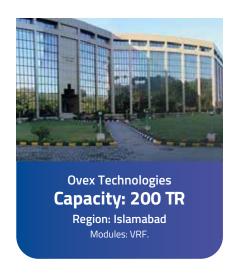
















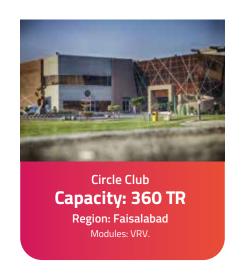
HOSPITALITY





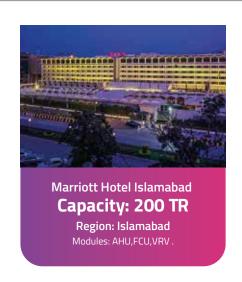


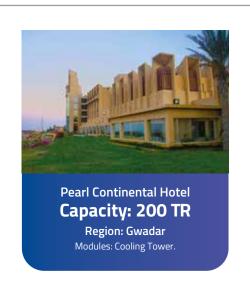




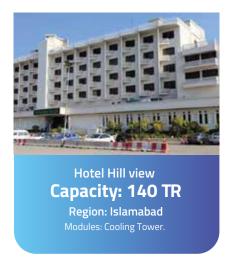






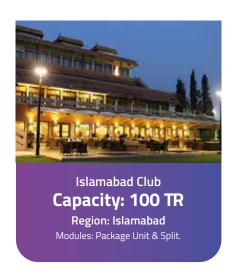


HOSPITALITY













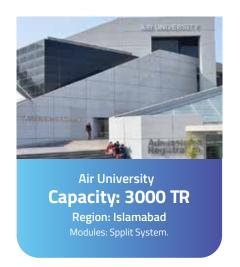
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Region: Rawalpindi

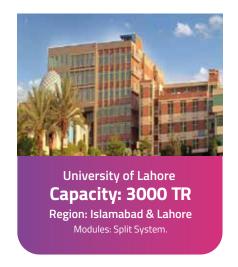


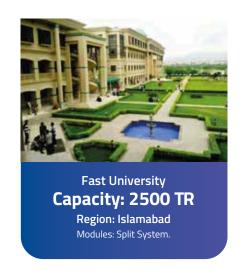




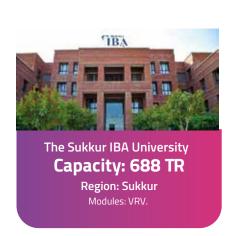
EDUCATIONAL INSTITUTES















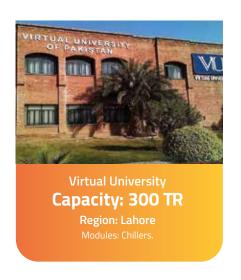
Education Excellence Ltd.

Capacity: 520 TR

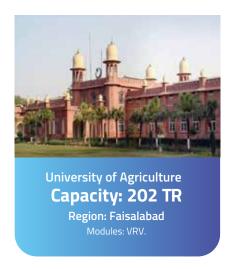
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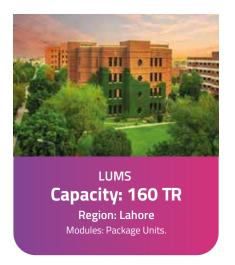
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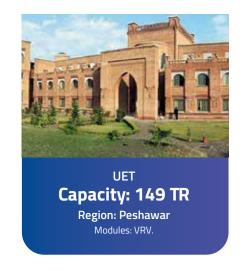


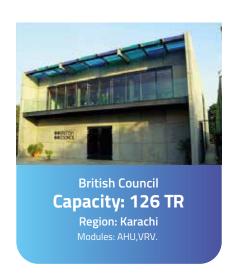


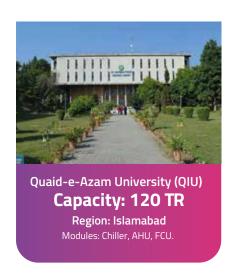
EDUCATIONAL INSTITUTES

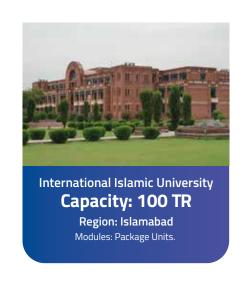


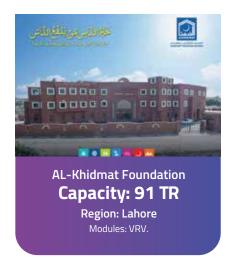


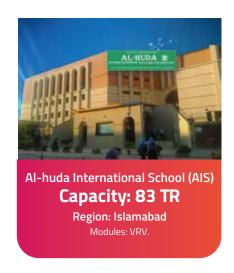


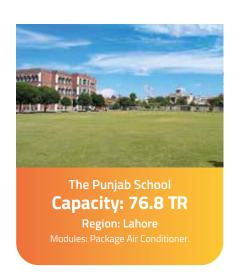






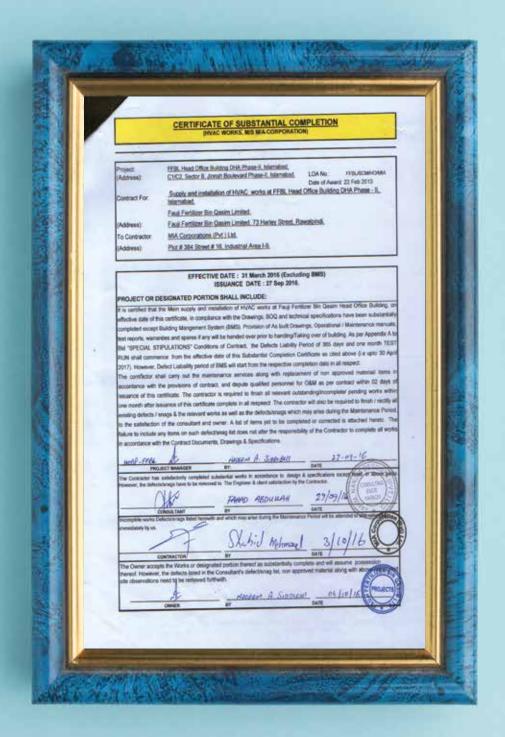












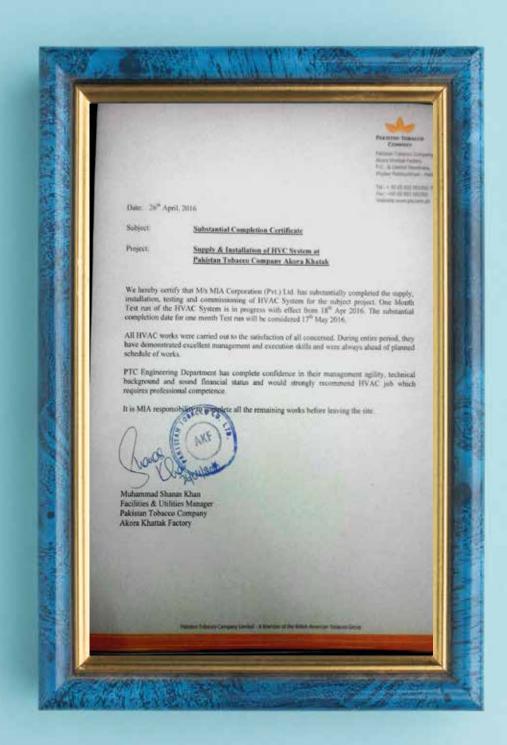




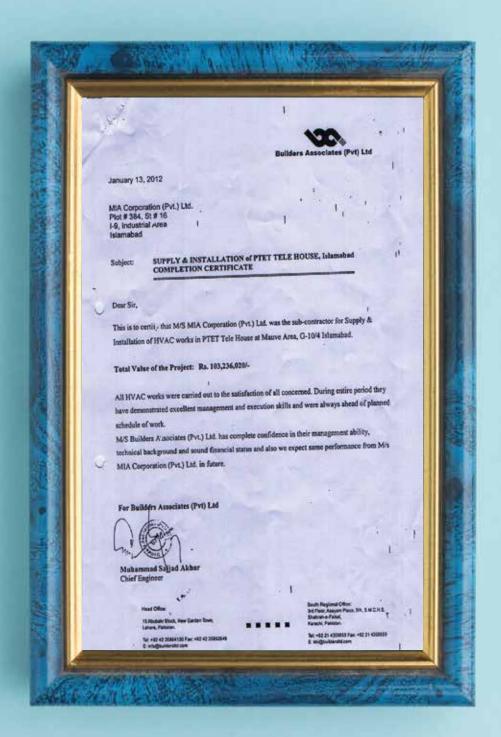








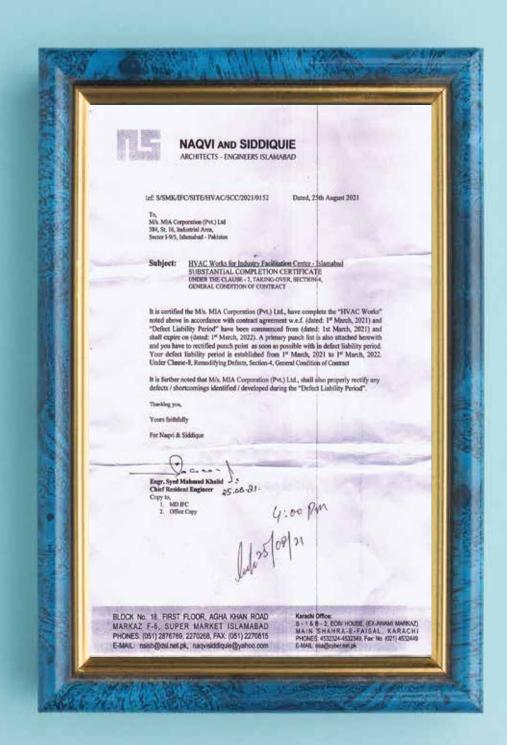
PTET







INDUSTRIAL FACILITATION CENTRE



AMAZON MALL



